

PROTECTED SUBSTRATE STRUCTURE FOR A FIELD EMISSION DISPLAY DEVICE

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ABSTRACT OF THE DISCLOSURE

A protected faceplate structure of a field emission display device is disclosed in one embodiment. Specifically, in one embodiment, the present invention recites a faceplate of a field emission display device wherein the faceplate of the field emission display device is adapted to have phosphor containing wells disposed above one side thereof. The present embodiment is further comprised of a barrier layer which is disposed over the one side of said faceplate which is adapted to have phosphor containing wells disposed thereabove. The barrier layer of the present embodiment is adapted to prevent degradation of the faceplate. Specifically, the barrier layer of the present embodiment is adapted to prevent degradation of the faceplate due to electron bombardment by electrons directed towards the phosphor containing wells.